

Docket No. 220633US2SR

1645 48  
90 Rec'd PCT/PTO 07 MAY 2002

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Koji HASHIMOTO, et al.

SERIAL NO: 10/070,415

FILED: March 15, 2002

FOR: DETECTION OF NUCLEIC ACID ASSOCIATED WITH DISEASE

GAU:

EXAMINER:

RECEIVED

JAN 13 2003

TECH CENTER 1600/2900

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

ASSISTANT COMMISSIONER FOR PATENTS  
WASHINGTON, D.C. 20231

SIR:

Applicant(s) wish to disclose the following information.

REFERENCES

- ☒ The applicant(s) wish to make of record the references listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☐ A check is attached in the amount required under 37 CFR §1.17(p).

RELATED CASES

- ☐ Attached is a list of applicant's pending application(s) or issued patent(s) which may be related to the present application. A copy of the patent(s), together with a copy of the claims and drawings of the pending application(s) is attached along with PTO 1449.
- ☐ A check is attached in the amount required under 37 CFR §1.17(p).

CERTIFICATION

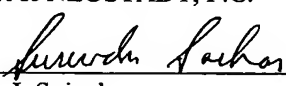
- ☐ Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

DEPOSIT ACCOUNT

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,  
MAIER & NEUSTADT, P.C.

  
Marvin J. Spivak

Registration No. 24,913



22850

Tel. (703) 413-3000  
Fax. (703) 413-2220  
(OSMMN 03/02)

Surinder Sachar

Registration No. 34,423

U.S. PCT Application Serial No. 10/070,415  
Docket No: 220633US2SRD PCT

STATEMENT OF RELEVANCY

1) References \_\_\_\_\_ have been cited in the International Search Report. Copies of these references are being submitted herewith only when not automatically provided by the International Searching Authority.

2) References \_\_\_\_\_ have been cited in the corresponding \_\_\_\_\_ Search Report. A copy of these references is being submitted herewith.

3) References AA-AX are discussed in the specification. A copy of these references is being submitted herewith.

4) References \_\_\_\_\_ are additional prior art known to Applicant. A copy of these references is being submitted herewith.

Form PTO 1449 (Modified)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY DOCKET NO.  220633US2SRD PCT	SERIAL NO.  10/070,415
LIST OF REFERENCES CITED BY APPLICANT		APPLICANT  Koji HASHIMOTO, et al.	
		FILING DATE  March 15, 2002	GROUP
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)			
AA	Kenneth BEATTIE et al.: "Genosensor technology" CLINICAL CHEMISTRY, vol. 39, no. 4, pages 719-722 1993		
AB	Stephen P.A. FODOR et al.: "Light-directed, spatially addressable parallel chemical synthesis" SCIENCE, vol. 251, pages 767-773 02/15/91		
AC	K.R. KHRAPKO et al.: "An oligonucleotide hybridization approach to DNA sequencing" FEBS LETTERS, vol. 256, no. 1,2, pages 118-122 10/89		
AD	E.M. SOUTHERN et al.: "Arrays of complementary oligonucleotides for analysing the hybridisation behaviour of nucleic acids" NUCLEIC ACIDS RESEARCH, vol. 22, no. 8, pages 1368-1373 1994		
AE	Ann Caviani PEASE et al.: "Light-generated oligonucleotide arrays for rapid DNA sequence analysis" PROC. NATL. ACAD. SCI., vol. 91, pages 5022-5026 05/94		
AF	Sergei PARINOV et al.: "DNA sequencing by hybridization to microchip octa- and decanucleotides extended by stacked pentanucleotides" NUCLEIC ACIDS RESEARCH, vol. 24, no. 15, pages 2998-3004 1996		
AG	Kenneth L. BEATTIE et al. "Advances in genosensor research" CLIN. CHEM., vol. 41, no. 5, pages 700-706 1995		
AH	Shintaro KAWAI et al.: "A simple method of detecting amplified DNA with immobilized probes on microtiter wells" ANALYTICAL BIOCHEMISTRY, vol. 209, pages 63-69 1993		
AI	Chad A. MIRKIN et al.: "A DNA-based method for rationally assembling nanoparticles into macroscopic materials" NATURE, vol. 382, pages 607-609 08/15/96		
AJ	M.M. MILLER et al.: "A DNA array sensor utilizing magnetic microbeads and magnetoelectronic detection" JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, vol. 225, pages 138-144 2001		
AK	Hou-Pu CHOU et al.: "A microfabricated device for sizing and sorting DNA molecules" PROC. NATL. ACAD. SCI., vol. 96, pages 11-13 01/99		
AL	Bertrand LEMIEUX et al.: "Overview of DNA chip technology" MOLECULAR BREEDING, vol. 4, pages 277-289 1998		
AM	Roland THEWES et al.: "Sensor arrays for fully-electronic DNA detection on CMOS" IEEE INTERNATIONAL SOLID-STATE CIRCUITS CONFERENCE, pages 350-351 and 472-473 2002		
AN	Paul A.E. PIUNNO et al.: "Fiber optic biosensor for fluorimetric detection of DNA hybridization" ANALYTICA CHIMICA ACTA, vol. 288, pages 205-214 1994		
AO	Bryce P. NELSON et al.: "Surface plasmon resonance imaging measurements of DNA and RNA hybridization adsorption onto DNA microarrays" ANALYTICAL CHEMISTRY, vol. 73, no. 1, pages 1-7 2001		
AP	Keiko ITO et al.: "Quantitative analysis for solid-phase hybridization reaction and binding reaction of DNA binder to hybrids using a quartz crystal microbalance" ANALYTICA CHIMICA ACTA, vol. 327, pages 29-35 1996		
AQ	Georgios AMEXIS et al.: "Quatitative mutant analysis of viral quasispecies by chip-based matrix-assisted laser desorption/ionization time-of-flight mass spectrometry" PNAS, vol. 98, no. 21, pages 12098-12102 10/09/01		
Examiner		Date Considered	
*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.			

Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 220633US2SRD PCT		SERIAL NO. 10/070,415	
LIST OF REFERENCES CITED BY APPLICANT				APPLICANT Koji HASHIMOTO, et al.			
				FILING DATE March 15, 2002		GROUP	
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)							
	AR	Xavier FORNS et al.: "Comparative study of three methods for genotyping Hepatitis C virus strains in samples from Spanish patients" JOURNAL OF CLINICAL MICROBIOLOGY, vol. 34, no. 10, pages 2516-2521 1996					
	AS	A. ANDONOV et al.: "Subtyping of Hepatitis C virus isolates by a line probe assay using hybridization" JOURNAL OF CLINICAL MICROBIOLOGY, vol. 33, no. 1, page 254-256 1995					
	AT	Kazuyoshi NAGAYAMA et al.: "Characteristics of Hepatitis C viral genome associated with disease progression" HEPATOLOGY, pages 745-750 03/00					
	AU	Byung-II YEH et al.: "Factors predictive of response to interferon-alpha therapy in Hepatitis C virus type 1b infection" JOURNAL OF MEDICAL VIROLOGY, vol. 66, pages 481-487 2002					
	AV	Masanao MATSUSHITA et al.: "Association of mannose-binding lectin gene haplotype LXPA and LYPB with interferon-resistant Hepatitis C virus infection in Japanese patients" JOURNAL OF HEPATOLOGY, vol. 29, pages 695-700 1998					
	AW	S.B. LAURSEN et al.: "Cloning and sequencing of a cDNA encoding chicken mannan-binding lectin (MBL) and comparison with mammalian analogues" IMMUNOLOGY, vol. 93, pages 421-430 1998					
	AX	Hans O. MADSEN et al.: "Interplay between promoter and structural gene variants control basal serum level of mannan-binding protein" THE JOURNAL OF IMMUNOLOGY, pages 3013-3020 1995					
	AY						
	AZ						
Examiner				Date Considered			
*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							